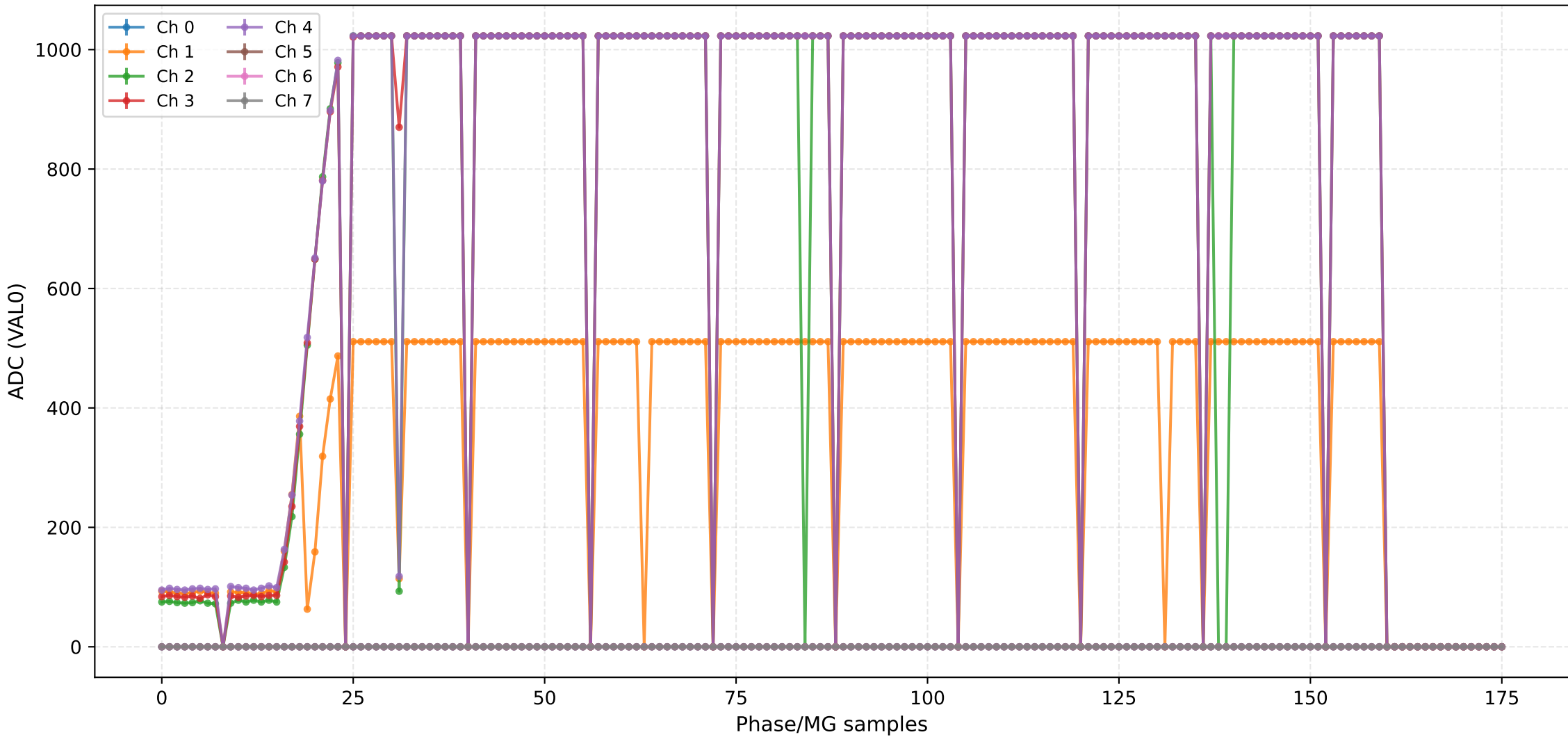
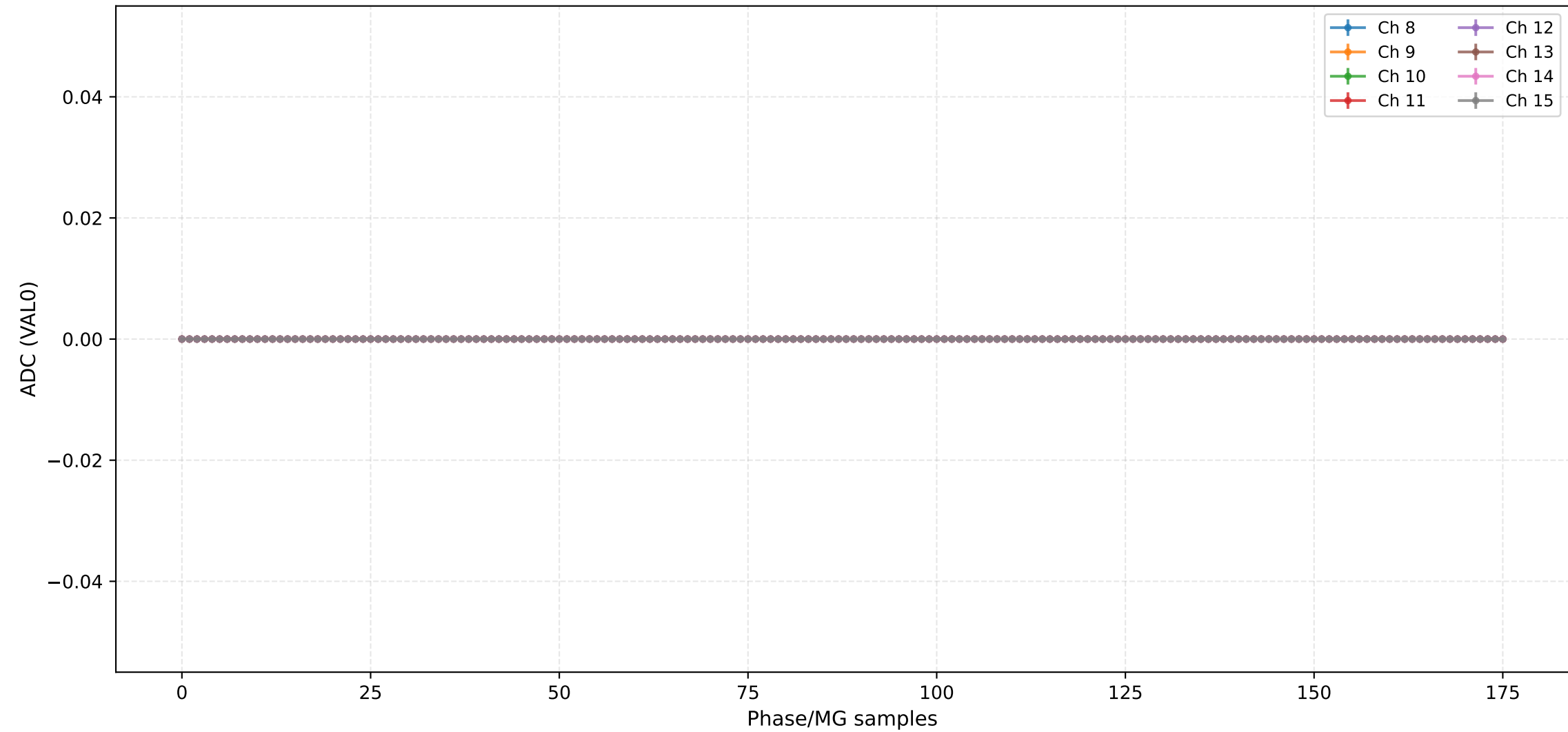


ADC (VAL0) - Channels 0 to 7



### ADC (VAL0) - Channels 8 to 15



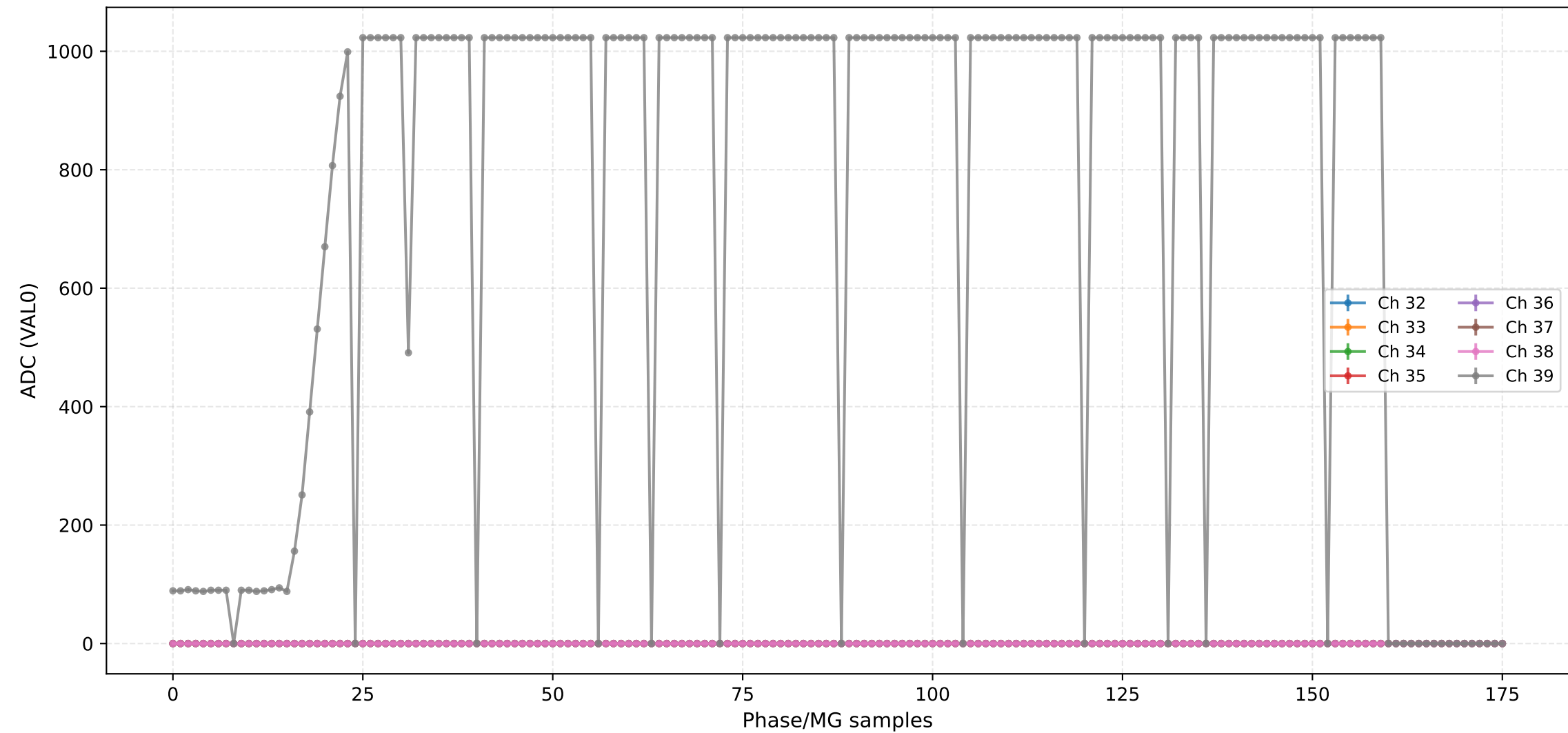
## ADC (VAL0) - Channels 16 to 23



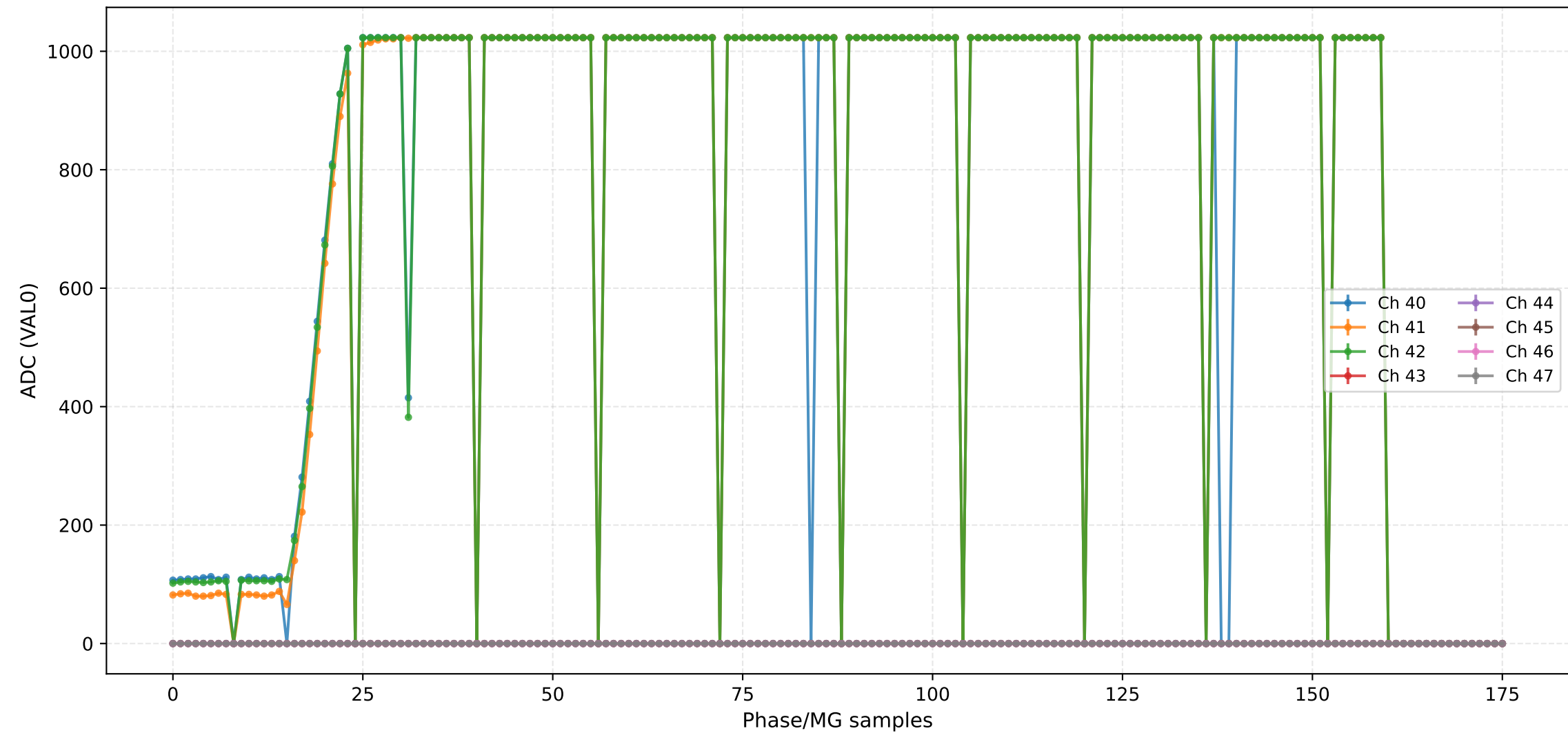
### ADC (VAL0) - Channels 24 to 31



## ADC (VAL0) - Channels 32 to 39



ADC (VAL0) - Channels 40 to 47



### ADC (VAL0) - Channels 48 to 55



## ADC (VAL0) - Channels 56 to 63

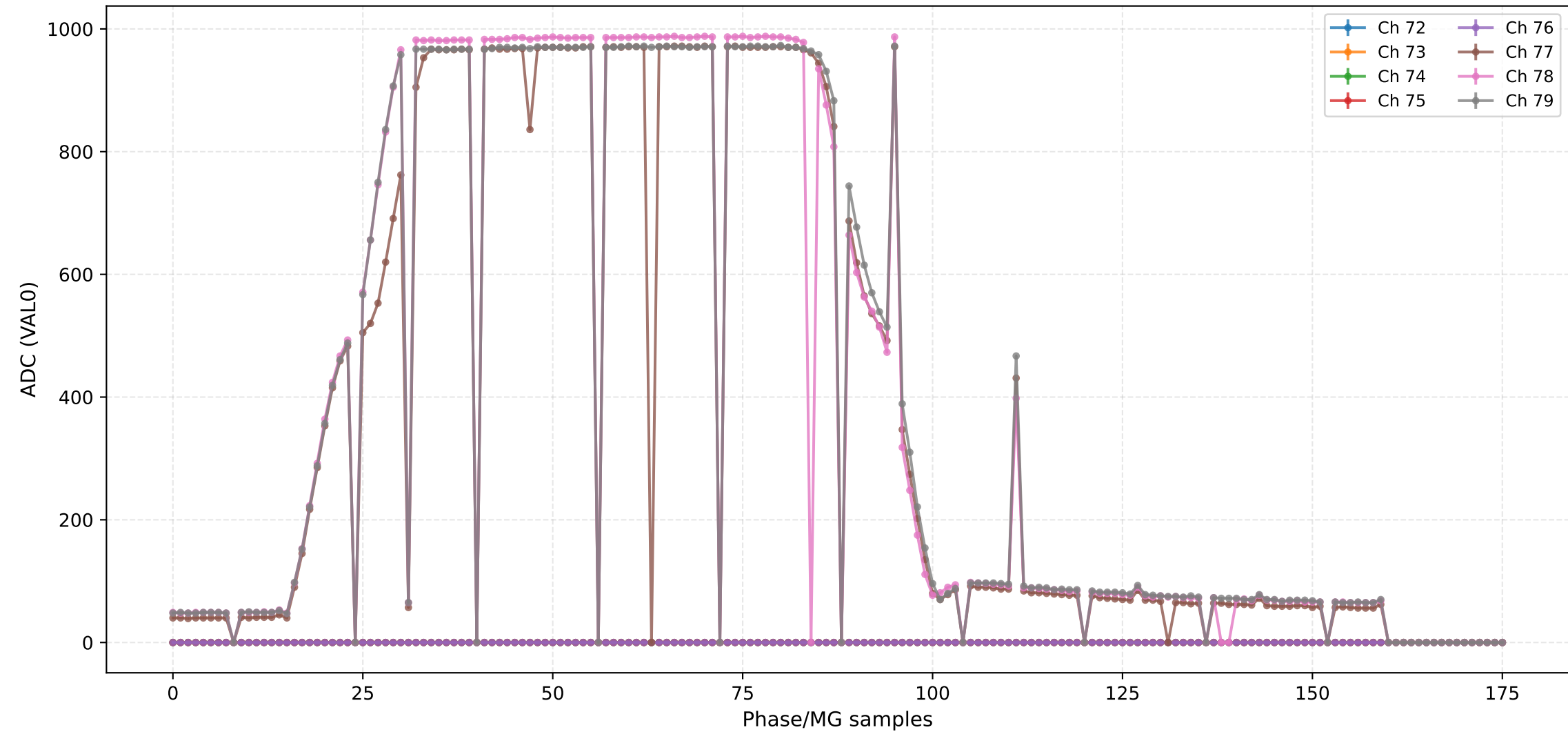




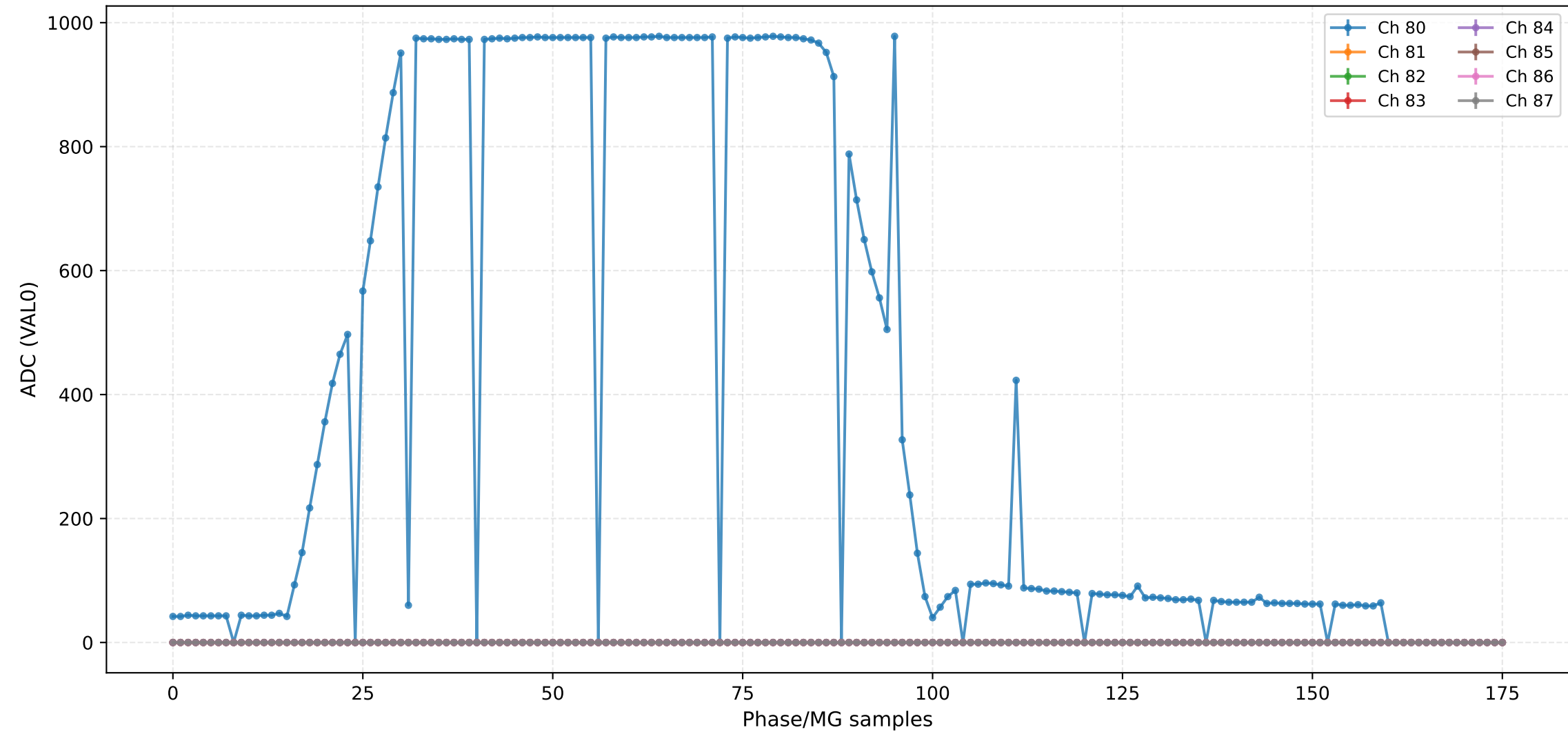
### ADC (VAL0) - Channels 64 to 71



ADC (VAL0) - Channels 72 to 79



ADC (VAL0) - Channels 80 to 87



### ADC (VAL0) - Channels 88 to 95



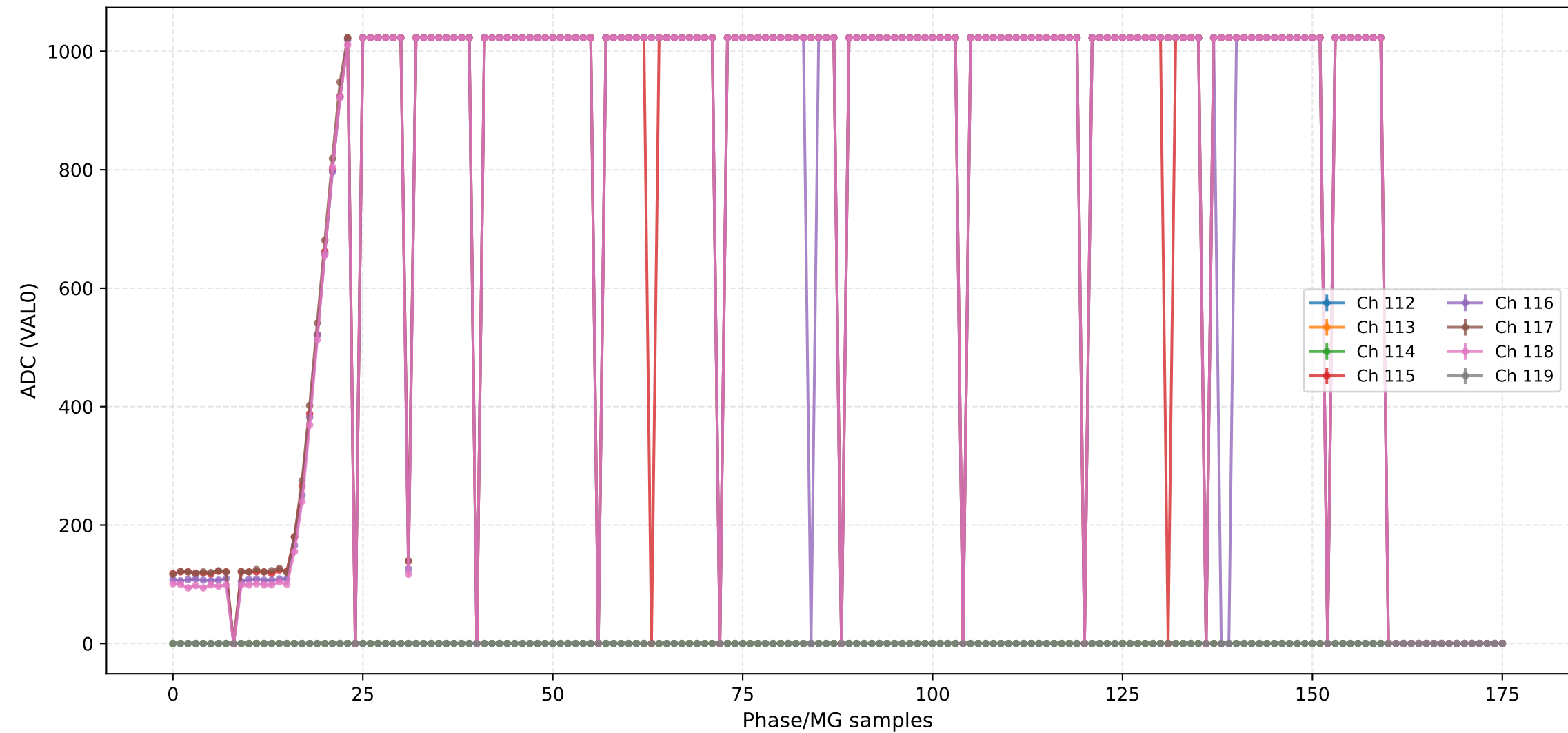
### ADC (VAL0) - Channels 96 to 103



### ADC (VAL0) - Channels 104 to 111



### ADC (VAL0) - Channels 112 to 119



### ADC (VAL0) - Channels 120 to 127





## ADC (VAL0) - Channels 128 to 135



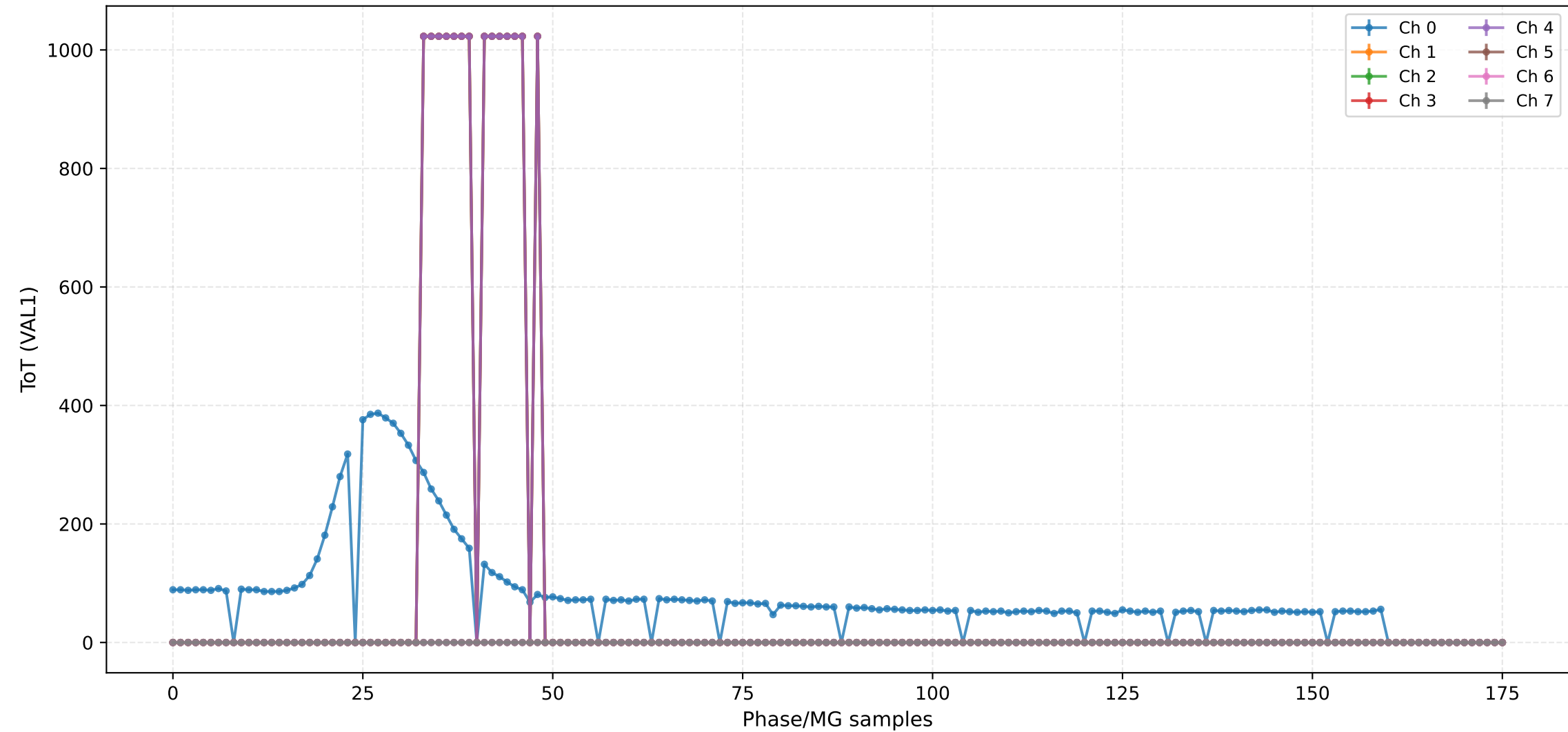
## ADC (VAL0) - Channels 136 to 143



## ADC (VAL0) - Channels 144 to 151



ToT (VAL1) - Channels 0 to 7



## ToT (VAL1) - Channels 8 to 15



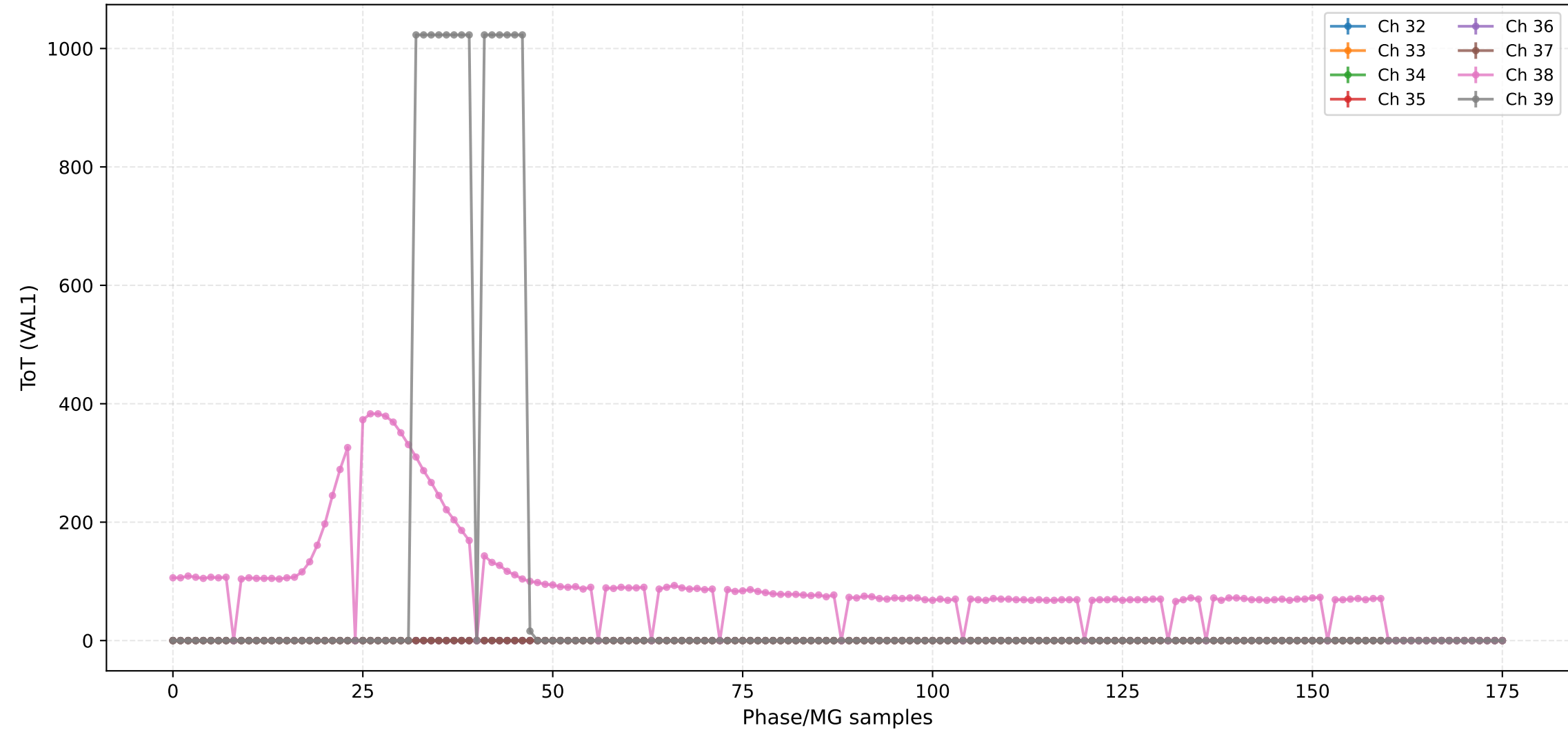
### ToT (VAL1) - Channels 16 to 23



## ToT (VAL1) - Channels 24 to 31

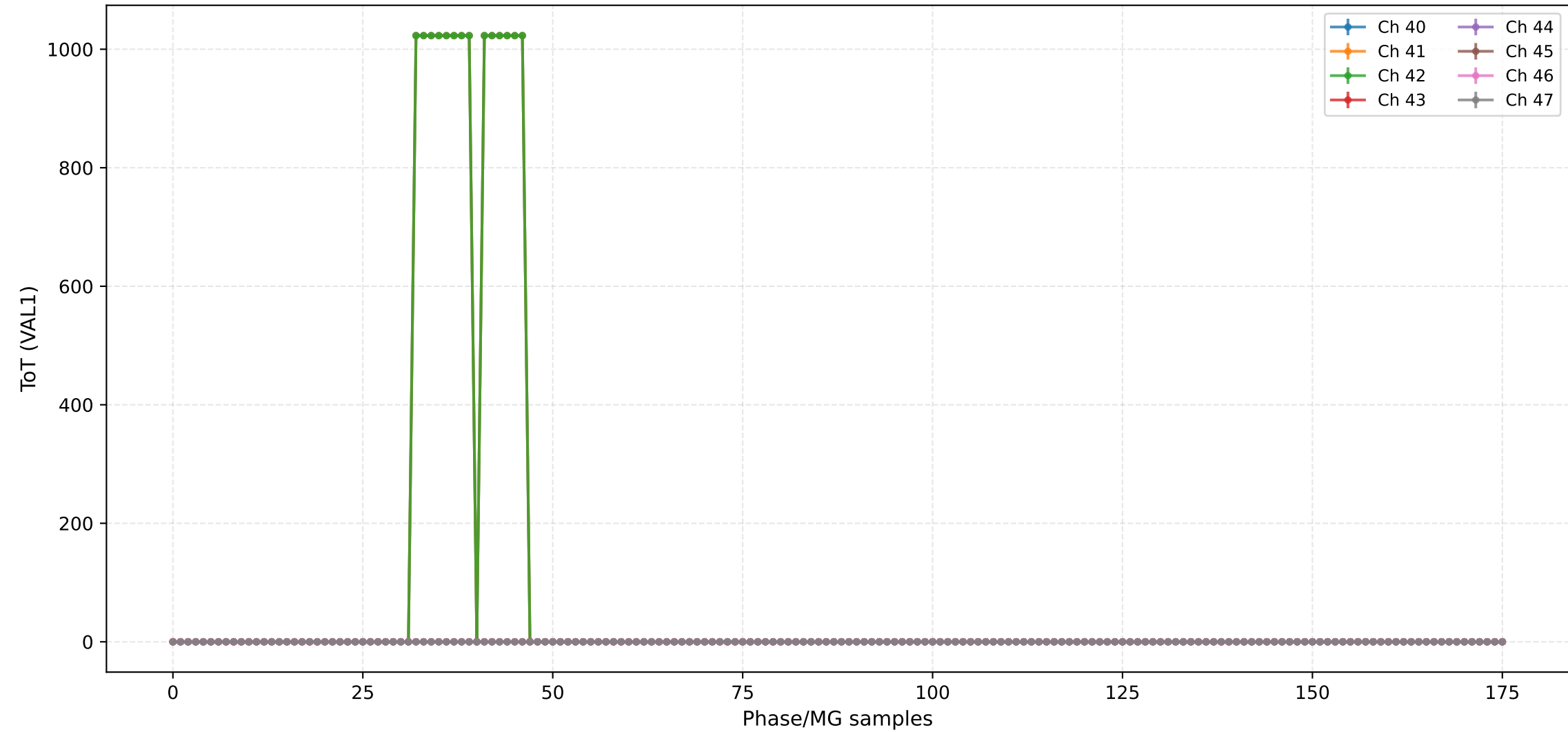


### ToT (VAL1) - Channels 32 to 39





## ToT (VAL1) - Channels 40 to 47



## ToT (VAL1) - Channels 48 to 55



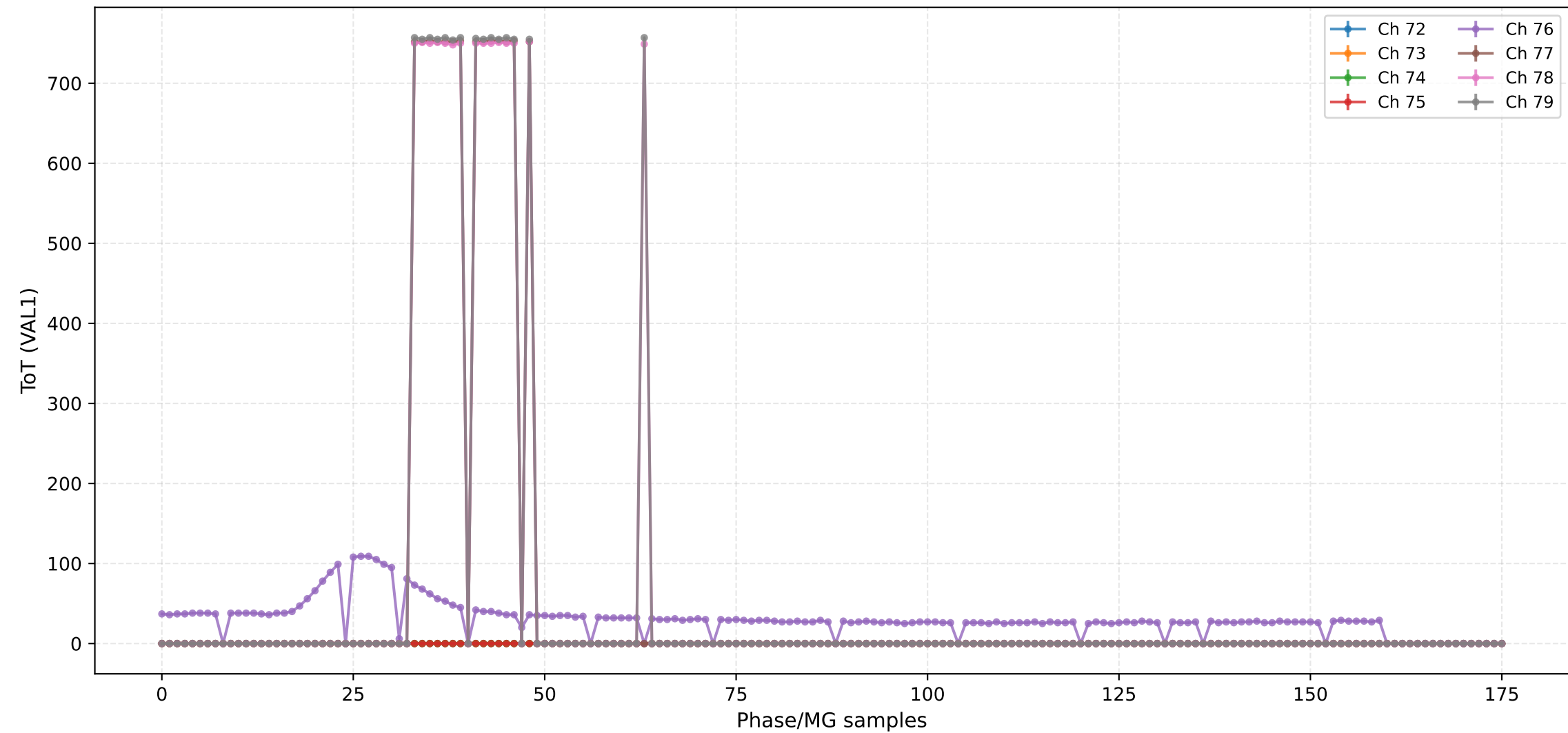
### ToT (VAL1) - Channels 56 to 63



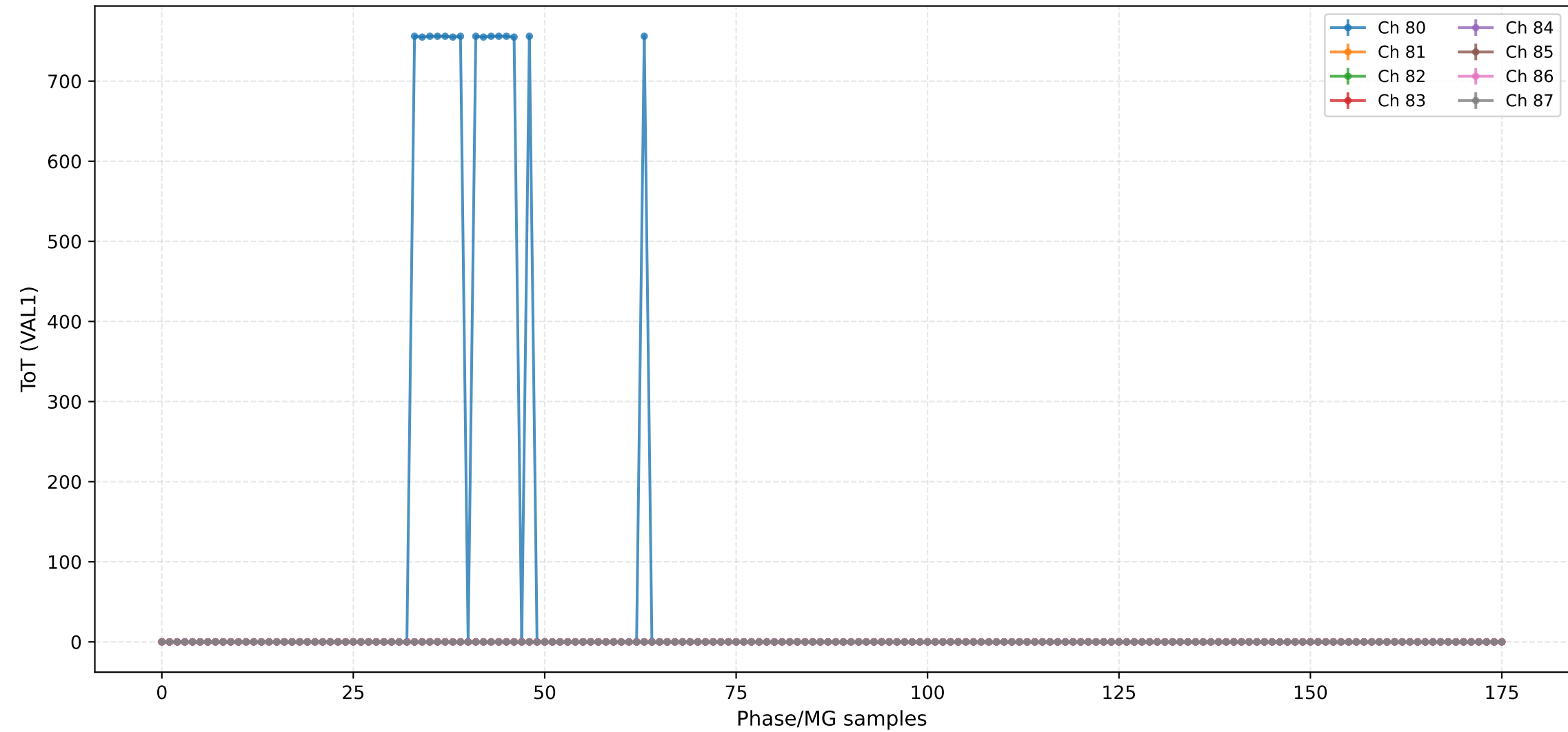
### ToT (VAL1) - Channels 64 to 71



ToT (VAL1) - Channels 72 to 79



## ToT (VAL1) - Channels 80 to 87



ToT (VAL1) - Channels 88 to 95



## ToT (VAL1) - Channels 96 to 103

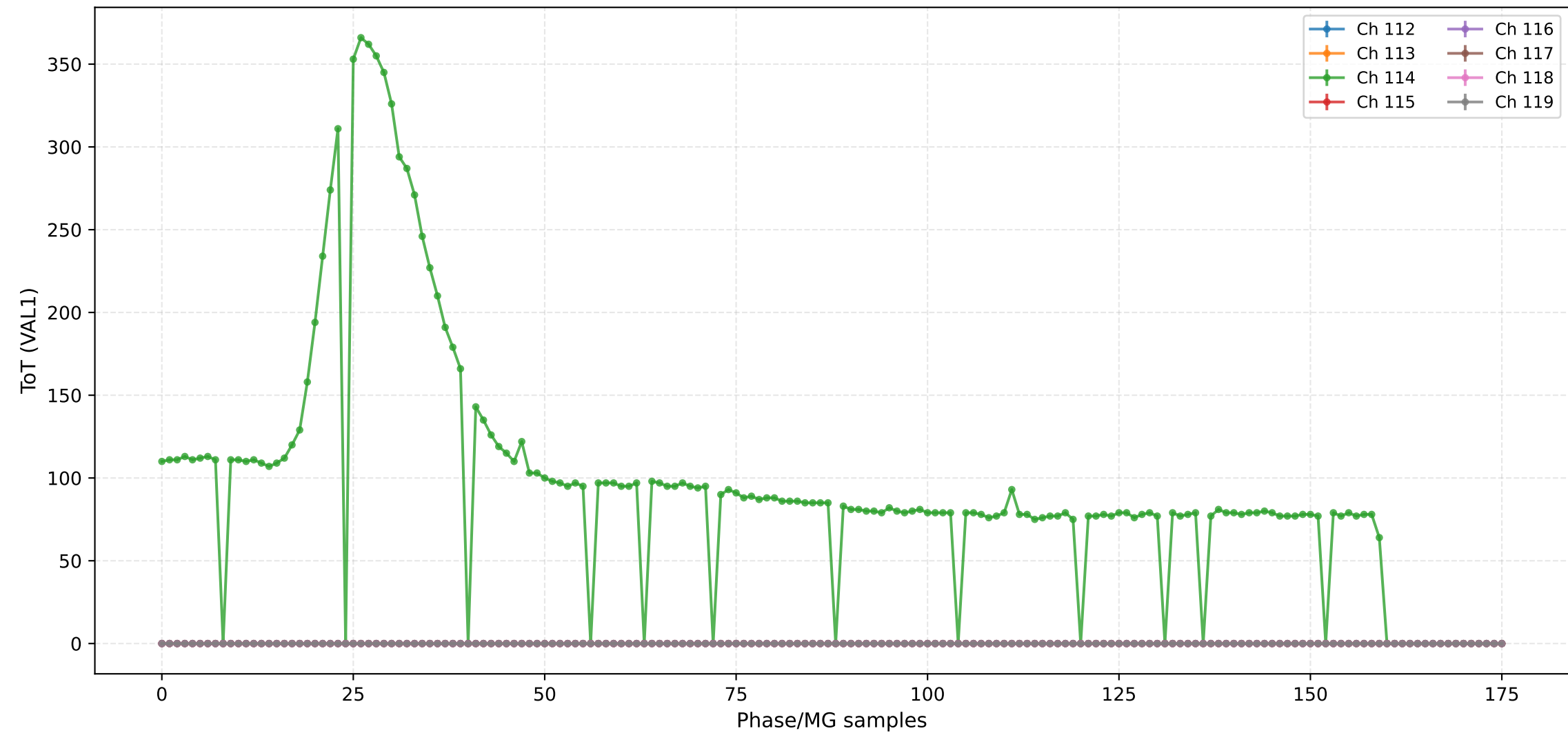




## ToT (VAL1) - Channels 104 to 111



### ToT (VAL1) - Channels 112 to 119



ToT (VAL1) - Channels 120 to 127



## ToT (VAL1) - Channels 128 to 135



ToT (VAL1) - Channels 136 to 143



ToT (VAL1) - Channels 144 to 151





## ToA (VAL2) - Channels 8 to 15





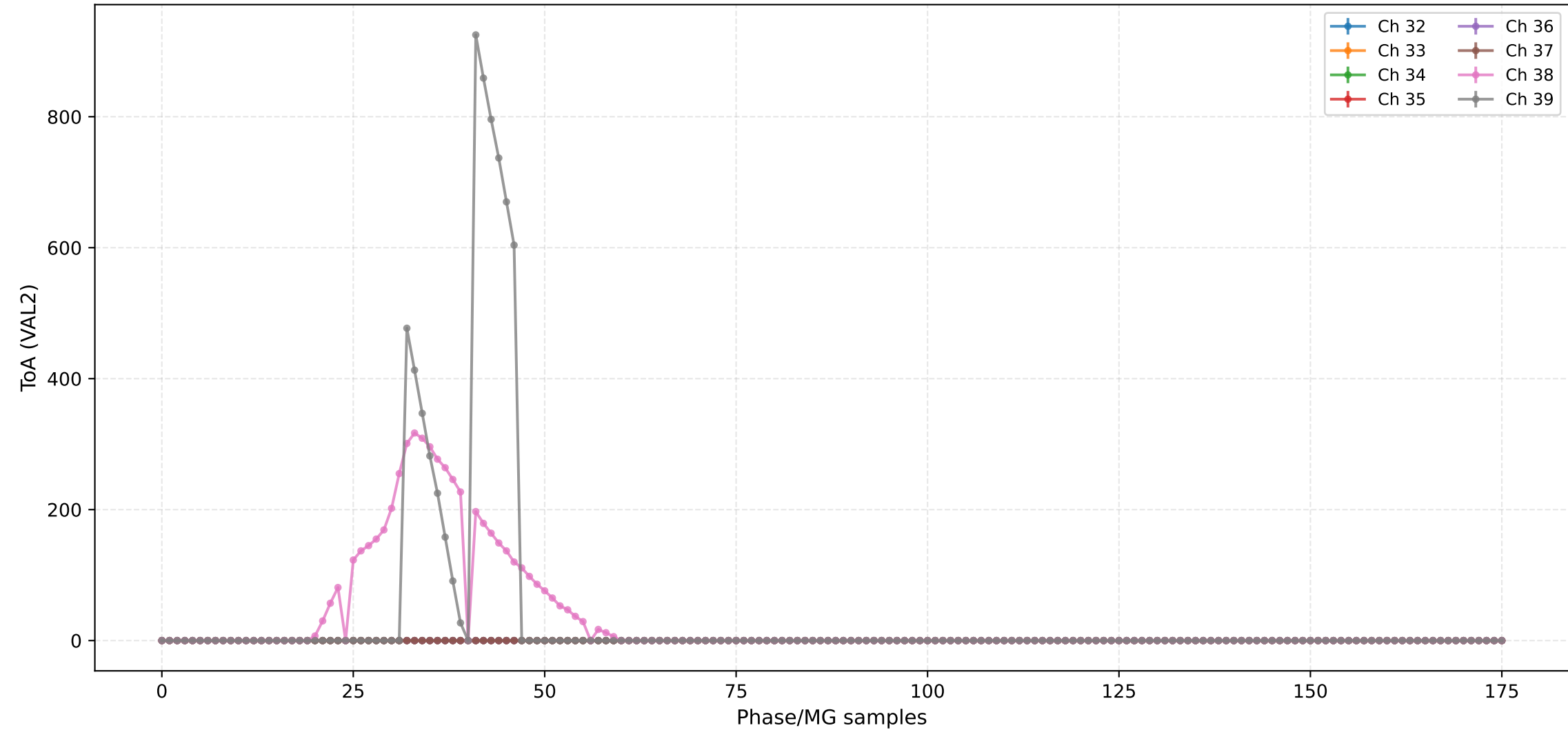
## ToA (VAL2) - Channels 16 to 23



### ToA (VAL2) - Channels 24 to 31



## ToA (VAL2) - Channels 32 to 39





ToA (VAL2) - Channels 48 to 55



ToA (VAL2) - Channels 56 to 63



ToA (VAL2) - Channels 64 to 71









ToA (VAL2) - Channels 88 to 95



ToA (VAL2) - Channels 96 to 103



ToA (VAL2) - Channels 104 to 111





The graph displays the time evolution of the expectation value of the Pauli matrix  $\sigma_y$  for four different channels (Ch 120, Ch 121, Ch 122, Ch 123). The x-axis represents time in units of  $10^{-12}$  s, ranging from 0 to 150. The y-axis represents the expectation value, ranging from -0.5 to 0.5. All four channels show a constant value of approximately 0.05 throughout the entire time range.



The figure displays a plot of the expectation value of the Pauli matrix  $\sigma_y$  over time for six channels. The x-axis is labeled 'Time' and ranges from 0 to 150. The y-axis is labeled ' $\sigma_y$ ' and ranges from -1 to 1. A legend in the top right corner identifies the channels: Ch 128 (blue), Ch 129 (orange), Ch 130 (green), Ch 131 (red), Ch 128 (purple), and Ch 129 (brown). All six channels show a constant value of 0 for the entire duration of the simulation.



The plot displays the time evolution of the expectation value of the Pauli matrix  $\sigma_y$  for several channels. The x-axis represents time, ranging from 0 to 150, and the y-axis represents the expectation value, ranging from -1 to 1. A horizontal line at  $y=0$  indicates that the expectation value of  $\sigma_y$  remains zero for all channels and times. The legend identifies channels Ch 136 (blue), Ch 137 (orange), Ch 138 (green), Ch 139 (red), and Ch 140 (purple).





## ToA (VAL2) - Channels 144 to 151



## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-12 01:26:43

### Configuration:

- Total ASICs: 2
- Injection DAC: 3500
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 10
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac3500\_mg10\_pack2\_chn10\_val0.csv
- 205\_Injection\_asic2\_injdac3500\_mg10\_pack2\_chn10\_val1.csv
- 205\_Injection\_asic2\_injdac3500\_mg10\_pack2\_chn10\_val2.csv